

## **Abstract**

The ultrasonic probe of the present invention includes an ultrasonic element unit for transmitting and receiving ultrasonic waves, an oscillation mechanism for causing oscillation to the ultrasonic element unit and a detector for detecting the oscillation of the ultrasonic element unit. The detector detects the oscillation angle and the oscillation origin of the ultrasonic element unit, and when the oscillation range of the ultrasonic element unit is divided at its oscillation origin into two regions of a positive region and a negative region, the detector detects in which area the ultrasonic element unit is located. In use of the ultrasonic probe, a control of origin return for returning the ultrasonic element unit to its oscillation origin is performed on the basis of the result of the detection by the detector.